

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1046841

Luminaire Tested: 22PTR-35-PL1-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35-PL1-L850-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

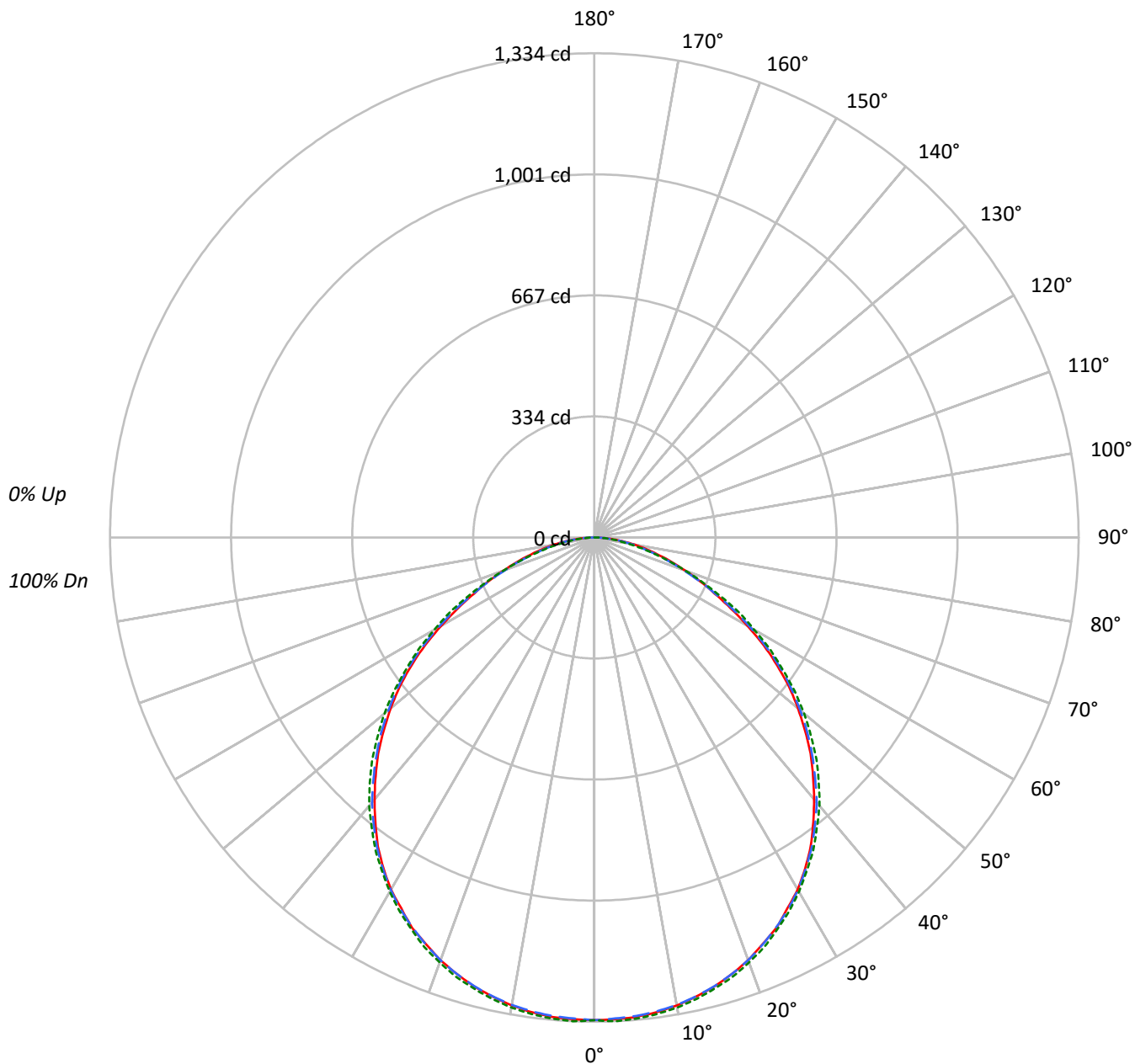
Lumens per Lamp: N/A
Luminaire Lumens: 3505.6 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 26
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.		
5°			
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.2	3.6
10°-20°	361.8	10.3
20°-30°	547.3	15.6
30°-40°	652.3	18.6
40°-50°	656.0	18.7
50°-60°	556.7	15.9
60°-70°	370.7	10.6
70°-80°	185.1	5.3
80°-90°	49.5	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1035.2	29.5
0°-40°	1687.6	48.1
0°-60°	2900.3	82.7
0°-90°	3505.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3505.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1330	1330	1330	1330	1330	
5°	1326	1326	1324	1329	1331	126
15°	1280	1282	1280	1285	1286	361
25°	1187	1187	1185	1191	1192	546
35°	1039	1040	1043	1050	1052	648
45°	842	844	849	860	865	648
55°	615	619	625	631	632	548
65°	365	368	369	375	384	366
75°	180	178	170	166	166	194
85°	47	46	42	40	36	54
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1329.9	1329.9	1329.9	1329.9	1329.9
2.5°	1328.8	1329.9	1326.3	1332.8	1334.4
5°	1326.0	1326.3	1323.5	1329.4	1330.8
7.5°	1319.5	1320.1	1317.0	1323.5	1324.4
10°	1309.1	1310.2	1307.7	1313.6	1315.0
12.5°	1295.9	1297.3	1294.8	1301.3	1302.3
15°	1280.1	1281.6	1279.6	1285.0	1286.0
17.5°	1260.8	1261.9	1260.8	1265.8	1268.7
20°	1239.1	1239.1	1239.1	1243.6	1246.1
22.5°	1212.1	1214.6	1213.5	1219.4	1221.9
25°	1187.0	1187.0	1185.4	1191.0	1191.9
27.5°	1151.9	1155.9	1155.5	1160.4	1161.4
30°	1119.9	1121.0	1121.5	1124.9	1126.9
32.5°	1081.0	1081.9	1083.5	1088.4	1088.9
35°	1039.1	1040.2	1043.1	1050.4	1051.5
37.5°	990.4	995.8	998.3	1006.2	1007.1
40°	941.6	945.0	952.5	960.7	964.7
42.5°	891.8	895.7	900.2	911.5	915.1
45°	842.0	843.5	849.0	860.3	865.3
47.5°	786.9	791.4	796.2	806.0	809.1
50°	731.7	736.6	739.6	748.4	754.3
52.5°	676.1	680.5	683.9	689.3	695.2
55°	615.0	619.3	624.8	630.8	632.2
57.5°	552.9	557.7	561.3	567.6	574.0
60°	486.3	491.8	496.7	502.6	509.0
62.5°	424.3	426.7	431.7	441.5	450.8
65°	365.1	368.1	369.0	374.6	383.9
67.5°	315.8	315.8	311.4	313.3	323.7
70°	264.1	262.1	258.7	256.7	265.2
72.5°	222.2	219.7	212.3	208.9	213.4
75°	180.3	177.8	169.9	166.0	166.5
77.5°	144.8	140.9	134.5	127.7	126.2
80°	109.9	108.3	102.1	95.6	90.6
82.5°	77.9	74.5	70.9	67.0	63.0
85°	46.7	45.8	42.4	39.9	36.5
87.5°	19.2	19.2	18.3	17.2	16.3
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°

(END OF REPORT)